



TRANSMITTAL LETTER
Emergent Structure Analysis
April 9, 2004
Encompass Knowledge Systems, Inc.

This transmittal letter accompanies two copies of a compact disc containing the EnCompass® program, patent application, and other pertinent information. Both CD's are identical. The replacement compact discs contain no new matter.

The following hardware requirements must be met in order to successfully run the software contained on the CD:

- IBM PC or PC compatible computer
- MS Windows NT 4.0, Windows 2000, or Windows XP operating system
- MS Internet Explorer 5.0 or higher
- Pentium CPU
- Minimum 32 MB RAM
- Minimum 100 MB available disk space, for program and local database
- Display adapter and monitor capable of 256 colors at resolution 1024 X 768

Compact Disk Machine Format: IBM-PC

Operating System Compatibility: MS Windows NT 4.0, Windows 2000, or Windows XP operating system with MS Internet Explorer 5.0 or higher.

| File Location | File Name | Size in Bytes | Date of Creation | Notes |
|---------------|----------------|------------------|--------------------|------------------------------------|
| <root> | _INST321.EX_ | 297,989 bytes | October 2, 1998 | |
| <root> | _ISDel.exe | 27,648 bytes | October 2, 1998 | |
| <root> | _Setup.dll | 34,816 bytes | September 29, 1998 | |
| <root> | _sys1 | 181,565 bytes | September 6, 2002 | |
| <root> | _sys1.hdr | 3,905 bytes | September 6, 2002 | |
| <root> | _user1 | 22,973 bytes | September 6, 2002 | |
| <root> | _user1.hdr | 4,510 bytes | September 6, 2002 | |
| <root> | DATA.TAG | 126 bytes | September 6, 2002 | |
| <root> | data1.cab | 28,565,188 bytes | September 6, 2002 | |
| <root> | data1.hdr | 11,040 bytes | September 6, 2002 | |
| <root> | DCA-readme.txt | 3,054 bytes | August 12, 2002 | Read this file prior to installing |

| | | | | |
|-------------------|-------------|------------------|--------------------|---|
| | | | | the product. |
| <root> | Encdb_5.log | 2,162,688 bytes | July 18, 2002 | Database log installed with database. |
| <root> | EncLocal.db | 86,253,568 bytes | July 18, 2002 | Database installed for program. |
| <root> | lang.dat | 4,679 bytes | September 18, 1998 | |
| <root> | layout.bin | 650 bytes | September 6, 2002 | |
| <root> | os.dat | 450 bytes | July 27, 1998 | |
| <root> | setup.bmp | 165,400 bytes | July 9, 2002 | |
| <root> | Setup.exe | 71,680 bytes | October 2, 1998 | Double-click this icon to begin the setup process if it does not begin automatically or if you need to restart the process for some reason. |
| <root> | Setup.ini | 90 bytes | September 6, 2002 | |
| <root> | setup.ins | 63,374 bytes | July 20, 2002 | |
| <root> | setup.lid | 49 bytes | September 6, 2002 | |
| <root> | vssver.scc | 64 bytes | July 9, 2002 | |
| <root>\ESA Source | aaf.C | 11,020 bytes | July 15, 2002 | All files in the ESA folder may be viewed using MS Word or a text viewer. These are source code files for the emergent structure analysis. |
| <root>\ESA Source | aaf.H | 2,843 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | aafcls.H | 2,985 bytes | July 15, 2002 | Source code file for the emergent |

| | | | | |
|-------------------|----------|---------------|---------------|---|
| | | | | structure analysis. |
| <root>\ESA Source | aafmac.H | 2,330 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | aafrd1.C | 26,358 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | aafrd2.C | 26,435 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | aafsql.C | 5,328 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | ANR.C | 145,867 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | ANR.H | 6,368 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | ANRCLS.H | 10,219 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | ANRMAC.H | 41,842 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | die.C | 6,911 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | die.H | 1,965 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | diecls.H | 1,809 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |

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|----------------------|----------|---------------|---------------|--|
| <root>\ESA Source | diemac.H | 1,887 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | DIG.C | 48,777 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | DIG.H | 3,483 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | DIGCLS.H | 1,809 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | DIGMAC.H | 12,384 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | DIR.C | 102,352 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | DIR.H | 4,709 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | DIRCLS.H | 4,670 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | DIRMAC.H | 28,111 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | ene.C | 51,974 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | ene.H | 3,586 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | enecls.H | 1,809 bytes | July 15, 2002 | Source code file for the emergent |

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|-------------------|----------|--------------|---------------|---|
| | | | | structure analysis. |
| <root>\ESA Source | enemac.H | 12,872 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | esa.c | 70,351 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | esa.h | 3,037 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | esabd1.c | 9,582 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | esabd2.c | 9,607 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | esacfs.h | 5,526 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | esacnc.C | 15,381 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | esaisr.C | 8,441 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | esamac.h | 1,785 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | esamax.C | 24,922 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | ese.C | 13,089 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |

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|----------------------|----------|--------------|---------------|--|
| <root>\ESA Source | ese.H | 2,211 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | esecls.H | 1,809 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | esemac.H | 2,599 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | ISR.C | 22,388 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | ISR.H | 2,083 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | ISRCLS.H | 2,314 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |
| <root>\ESA Source | ISRMAC.H | 4,719 bytes | July 15, 2002 | Source code file for the emergent structure analysis. |



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

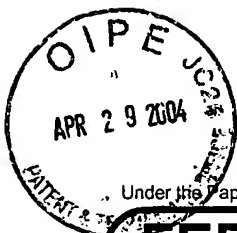
| | | | |
|---|----------------------|-------------------------|-------------|
| TRANSMITTAL FORM (to be used for all correspondence after initial filing) | Application Number | 10/679,253 | |
| | Filing Date | October 3, 2003 | |
| | First Named Inventor | Michael M. Mann, et al. | |
| | Art Unit | | |
| | Examiner Name | | |
| Total Number of Pages in This Submission | 36 | Attorney Docket Number | 65567/ENCMP |

| ENCLOSURES (check all that apply) | | |
|---|--|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form | <input checked="" type="checkbox"/> Drawing(s) | <input type="checkbox"/> After Allowance communication to Group |
| <input checked="" type="checkbox"/> Fee Attached | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input type="checkbox"/> Amendment / Reply | <input type="checkbox"/> Petition | <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final | <input type="checkbox"/> Petition to Convert a Provisional Application | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Affidavits/declaration(s) | <input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence | <input type="checkbox"/> Status Letter |
| <input type="checkbox"/> Extension of Time Request | <input type="checkbox"/> Terminal Disclaimer | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): |
| <input type="checkbox"/> Express Abandonment Request | <input type="checkbox"/> Request for Refund | 1. CD Transmittal Letter dated April 9, 2004. |
| <input type="checkbox"/> Information Disclosure Statement | <input checked="" type="checkbox"/> CD, Number of CD(s) <u>2</u> | 2. Recordation Form Cover Sheet with 4 page Assignment |
| <input type="checkbox"/> Certified Copy of Priority Document(s) | Remarks | |
| <input type="checkbox"/> Response to Missing Parts/ Incomplete Application | | |
| <input checked="" type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | | |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | |
|--|--|
| Firm or Individual name | Gilbert G. Kovelman, Esq. Fulwider Patton Lee & Utecht, LLP |
| Signature | |
| Date | April 26, 2004 |

| CERTIFICATE OF TRANSMISSION/MAILING | | | |
|---|---------------------|------|----------------|
| I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the | | | |
| Typed or printed name | Gilbert G. Kovelman | Date | April 26, 2004 |
| Signature | | | |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) \$490.00

Complete if Known

| | |
|----------------------|-------------------------|
| Application Number | 10/679,253 |
| Filing Date | October 3, 2003 |
| First Named Inventor | Michael M. Mann, et al. |
| Examiner Name | |
| Art Unit | |
| Attorney Docket No. | 65567/ENCMP |

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit
Account
Number

06-2425

Deposit
Account
Name

Fulwider Patton Lee & Utecht, LL

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|------------------------|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1001 | 770 | 2001 | 385 | Utility filing fee | 385.00 |
| 1002 | 340 | 2002 | 170 | Design filing fee | |
| 1003 | 530 | 2003 | 265 | Plant filing fee | |
| 1004 | 770 | 2004 | 385 | Reissue filing fee | |
| 1005 | 160 | 2005 | 80 | Provisional filing fee | |
| SUBTOTAL (1) | | | | | (\$) |

2. EXTRA CLAIM FEES FOR UTILITY AND

| Extra Claims | | Fee from below | Fee Paid |
|--------------------|---------|----------------|----------|
| Total Claims | -20** = | | |
| Independent Claims | -3** = | | |
| Multiple Dependent | | | |

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|--|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1202 | 18 | 2202 | 9 | Claims in excess of 20 | |
| 1201 | 86 | 2201 | 43 | Independent claims in excess of 3 | |
| 1203 | 290 | 2203 | 145 | Multiple dependent claim, if not paid | |
| 1204 | 86 | 2204 | 43 | ** Reissue independent claims over original patent | |
| 1205 | 18 | 2205 | 9 | ** Reissue claims in excess of 20 and over original patent | |

SUBTOTAL (2) (\$) \$0.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|--|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath | 65.00 |
| 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| 1053 | 130 | 1053 | 130 | Non - English specification | |
| 1812 | 2,520 | 1812 | 2,520 | For filing a request for ex parte reexamination | |
| 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examiner action | |
| 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action | |
| 1251 | 110 | 2251 | 55 | Extension for reply within first month | |
| 1252 | 420 | 2252 | 210 | Extension for reply within second month | |
| 1253 | 950 | 2253 | 475 | Extension for reply within third month | |
| 1254 | 1,480 | 2254 | 740 | Extension for reply within fourth month | |
| 1255 | 2,010 | 2255 | 1,005 | Extension for reply within fifth month | |
| 1401 | 330 | 2401 | 165 | Notice of Appeal | |
| 1402 | 330 | 2402 | 165 | Filing a brief in support of an appeal | |
| 1403 | 290 | 2403 | 145 | Request for oral hearing | |
| 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding | |
| 1452 | 110 | 2452 | 55 | Petition to revive - unavoidable | |
| 1453 | 1,330 | 2453 | 665 | Petition to revive - unintentional | |
| 1501 | 1,330 | 2501 | 665 | Utility issue fee (or reissue) | |
| 1502 | 480 | 2502 | 240 | Design issue fee | |
| 1503 | 640 | 2503 | 320 | Plant issue fee | |
| 1460 | 130 | 1460 | 130 | Petitions to the Commissioner | |
| 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR § 1.17(q) | |
| 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Statement | |
| 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) | 40.00 |
| 1809 | 770 | 2809 | 385 | Filing a submission after final rejection (37 CFR § 1.129(a)) | |
| 1810 | 770 | 2810 | 385 | For each additional invention to be examined (37 CFR § 1.129(b)) | |
| 1801 | 770 | 2801 | 385 | Request for Continued Examination (RCE) | |
| 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application | |

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) \$105.00

SUBMITTED BY

| | | | | | |
|-------------------|--------------------|-----------------------------------|----------------|-----------|--------------|
| Name (Print/Type) | Gilbert G. Koveman | Registration No. (Attorney/Agent) | 19,552 | Telephone | 310/824-5555 |
| Signature | | Date | April 26, 2004 | | |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.